Explorations in Patagonia. By Prof. J. B. Hatcher, Princeton University.

HYSIOGRAPHICALLY, Pateastern level and comparatively barren plain and a western exceedingly broken and mountainous region. The former extends eastward from timber for building is poor. Two spe- inhabit. From the skins of the seal the base of the Andes, where it has an altitude of 3000 feet to the Atlantic Coast, where it terminates in a continuous line of precipitous cliffs 300

to 400 feet high. Three distinct features characterize the topography and tend to relieve the monotony of the broad Patagonian plains. The first of these is the series of escarpments, from a few feet to several hundred in height, encountered at successive altitudes as one proceeds from the coast inland toward the Andes. These escarpments have a general trend parallel with the present coast line, and they doubtless mark successive stages in the final elevation of the land above the sea. The secend feature is to be seen in the series



TEHNELCHE MAN, SQUAW AND CHILD.

of deep transverse valleys crossing the territory from east to west and constituting the present drainage system. In so far as my observations have gone, these are all true valleys of erosion. The third and perhaps most striking feature in the topography of eastern Patagonia are the volcanic cones and dikes, and the resulting lavasheets, which, covering extensive areas throughout the central plains, are seen capping most of the higher table lands and frequently descending well down the slopes into the present valleys, while the extinct volcanoes often 'rise majestically hundreds of feet above the surrounding plain.

In a line approximating the seventy second meridian of west longitude, the Andes-rise abruptly from the plains and ferm one of the most rugged and in many respects most picturesque mountain chains in the world. Many of the peaks attain an altitude of over 10,000 feet, quite sufficient at this latitude to precipitate most of the moisture in the atmosphere as it is forced over from the Pacific. Owing to the southwesterly winds which prevail here throughout the year, the atmosphere during its long journey peress the Pacific becomes saturated the completeness of the precipitation the other natural beauties of this rebrought about by the advantageous to gion, and give to the quiet depths of miles, not a single accident of any pography of the western coast, renders the forests a peculiar attractiveness, kind occurred to other users of the



high annual rainfall and consequently luxuriant vegetable growth in striking contrast to the dry and comparathe winds, already deprived of most Patagonia, as in western, are southtwenty-four hours' duration on the gion. eastern coast is sure to terminate in a heavy fall of rain or snow.

more extensive than at present, and they doubtless contributed to the erosion of the exceedingly intricate system of mountain gorges and flords Now forming so conspicuous a feature of the region.

The slopes of the Andes below an dense forests, especially on the west-

are exceedingly proficient and show much ingenuity

The Channel Indians of the western region are physically much inferior to the Tehnelches. They are essentially maritime people with all their acagonia is divided into two altitude of 3000 feet are covered with from which they never proceed more than a few miles inland. They subsist ern side. The variety of trees in the chiefly upon shell fish, the flesh of seals, southern regions is very limited, and fish, and the sea ofter and a few edible the quality of the wood for lumber or fungi indigenous to the region they



TEHNELCHES TAKING YERBA.

The deciduous beech is especially eastern slopes of the Andes.

Within the dense forests, lichens, ering the ground and trunks and lower pranches of the trees. The delicate greatest skill and resource. oliage and variety and harmony of colors of these plants, always fresh-



AN OLD TEHNELCHE.

with moisture, which, together with ened by frequent showers, enhance this region one with an exceedingly contrasting strongly with the rugged canons and serrated crests of the higher Andes.

The most conspicuous animals of the forest region are a small deer, not quite so large as our Virginia deer. the male with usually only two points on either horn. The puma, or mountain lion, is abundant both on the plains and in the mountains. There are two species of dogs. The larger, Canis magellanicus, is about the size of a small collie, of a reddish brown color, and frequents the wooded regions. It is rather shy, in striking contrast with the smaller C. azare, abundant in the plains, of a light gray color, and about the size of a small red fox. The guanaco or South American camel is very abundant over the plains, and occasionally enters the wooded mountainous districts. Among fively barren eastern region, where the birds, two, from their size, are especially noteworthy, the rhea, or so of their moisture during their passage called ostrich, found in great numbers over the Andes, are usually dry and on the plains, and the condor, comlow. The prevailing winds in eastern mon in the Andes, along the high bluffs of the sea coast and about the westerly, and an easterly wind of basalt cliffs of the interior plains re-

The natives of the eastern and western region belong to two entirely dis-Not all the moisture of the mountinct races, differing from each other tainous region is precipitated as rain, in their customs, language, and mode for in the higher Andes severe snow- of life. To the eastern region belong storms prevail throughout the entire the Tehnelches, a large, well-develyear, ample for the formation of great oped and peaceable race, living enice fields, from which extend numer- tirely by the chase. They construct ous glaciers, many of which reach their habitations and make their am-



CUBIOUS WIND AND RAIL EROSION IN ANDES OF PATAGONIA. from the mountain summaits far down ple clothing with considerable skill

below timber line, and some on the from the skins of the guanaco. In per cent, more to make bread by hand western slope quite into the sea, the capture of the guanaco, rhea and than by machinery.

cies of beech, Fagus antarctica and F. and sea ofter they continued their betutoides, the latter an evergreen, clothing, usually exceedingly scanty, are much the commoner of the trees. notwithstanding the inhospitable elimate. Rude huts are sometimes built abundant, and is the only tree found from the branches of trees, but they throughout extensive areas on the spend much of their time in small open boats made of beech bark sewed together with whale bene. It is in ferns, mosses, and other cryptogams the construction of their boats and grow in great profusion, entirely cov- the implements used by them in the capture of seals that they show the

> Although the plains of eastern Patagonia are exceedingly monotonous and uninteresting to the casual observer, yet they are of the greatest interest to the geologist and palentologist, for it is the rocks composing them that contain the remains of the extinct animals that in former times, inhabited this region. In many places along the river valleys there are extensive exposures of the sedimentary rocks rich in fossil remains, and the high bluffs of the sea coast have proved among the most promising localities for the collector.-Scientific American.

## Locomobile Safety.

Apropos of the danger to horsedrawn vehicles and their drivers from automobiles, the case of the recent 1000 motor tour of the English Automobile Club should be considered. The route was over a purposely selected hilly country, the object being to test the slaying ability of the various machines, some of the machines negotiating excessively steep gradients as a much faster pace than a horsedrawn vehicle could possibly maintain. Notwithstanding this and that the several vehicles entered in the race covered in the aggregate 60,000 road through any of the motor cars.



Some of the girls have taken to the sombrero, and are rigging themselves out in Mexican garb. The sombrero is of finely-woven grass, embroidered with silver, and is a comfortable companion, an enemy to freckles and just the thing for a country jaunt. Mexican shirt waists, too, are in demand. elaborate affairs in drawn work, with hemstitched seams and turned-back cuffs. Worn together the combinaion of these two is very striking.

## Soft Tread Woven Wire Mats.

Woven wire mats are shown and one maker has a novelty in their treatment. He embodies in the mats pieces of rope, and these, protruding between the interstices of the wire in which they are embedded, produce a soft trend that is very agreeable, yet at the same time they are so fully protected by wire that the durability of the mat is not lessened.

It is estimated that it costs thirty

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Sid Paher Abdul Krimm Tazzi, the new Pacha of Tangler, is a fine-looking man, and has made a very favorable impression on the diplomatic corps,

Sweat and fruit acids will not discolor goods dved with PUTNAM FADELESS DYES, Sold by all druggists.

Boycetters displayed a Kansas City tailor's name on big posters, with the result that several men saw the name and nothing else and came in and ordered.

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by lecal applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by aninfamed condition of the mucous lining of the Eustachian Tube. When this tube gets inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed Deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever. Nine 3 uses out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundre i Dollars for any case of Deafness (caused by catarrh Cure. Send for circulars, free.

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Sold by Druggists, 75c. Hall's Family Pills are the best, The shippards of Great Britain, all working together, could turn out a big steamship every day in the year.

The Best Prescription for Chills
and Fever is a bottle of GROVE'S TASTELESS
CHILL TONIC. It is simply iron and quinine in
a tasteless form. No cure—no pay. Price 50c.

A Luzerne paper says that a showman at Aaran was fined afteen francs for exhibit-ing an artificially colored rabbit.

Deafness Cannot Be Cured

Piso's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. SAMUEL, Ocean Grove, N. J., Feb. 17, 1900.

Public offices in Rangoon are to be provided with motors for punkah-pulling and also with electric lights.

Mrs. Winslow's Soothing Syrup for children teething softens the gums, reducing inflamma-tion, allays pain, cures wind colic. 25c.a bottle. The Arabic letters in the Khedive's recent poem to Victoria bave a numerical value of 1900 when counted up.

Have you ever experienced the joyful sen-ation of a good appetite? You will if you sation of a good appetite? You chew Adam's Pepsin Tutti Frutti.

The so-called ship-worm, which bores holes in the wood of ships, is in reality a form of shellfish.

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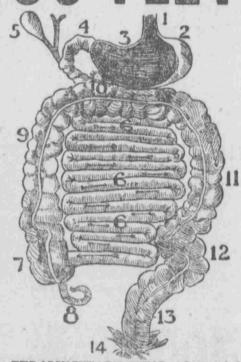
"Take my old man. A kinder husband never drew breath; yet so sure as he touches a bit of pork he begins to worry hisself about the doctrine of Election, till I say, "I'd be ashamed to go troubling the minister with my doubts when an Ayer's Pill would set things straight again."

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Ayer's Hair Vigor Ayer's Cherry Pectoral Ayer's Pills Ayer's Comatone Ayer's Ague Cure





are packed away in your insides and must be kept clean, in order and doing business.

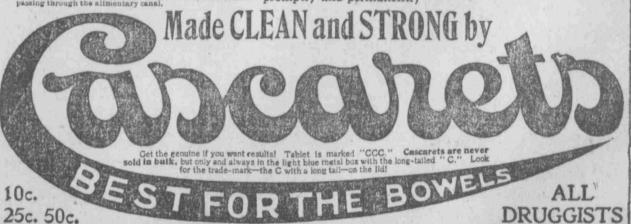
It's a long way, with many turns and pitfalls to catch the refuse and clog the channel if not most carefully cleaned out every day.

When this long canal is blockaded, look out for trouble—furred tongue, bad breath, belching of gases, yellow spots, pimples and boils, headaches, spitting up of food after eating—an all-around disgusting nuisance.

Violent pill poisons or griping salts are dangerous to use for cleaning out the bowels. They force out the obstruction by causing violent spasms of the bowels, but they leave the intestines weak and even less able to keep up regular movements than before, and make a larger dose necessary next time.

Then you have the pill habit, which kills more people than the morphine and whiskey habits combined.

The only safe, gentle but certain bowel cleansers are sweet, fragrant CASCARETS, because they don't force out the foecal matter with violence, but act as a tonic on the whole 30 feet of bowel wall, strengthen the muscles and restore healthy, natural action. Buy and try them! (Look out for imitations and substitutes or you can't get results. Cascarets are never sold in bulk. Look for the trade-mark, the long-tailed "C" on the box.) You will be find that in an entirely natural way your bowels will be promptly and permanently



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